PATENT COOPERATION TREATY



From the INTERNATIONAL SEARCHING AUTHORITY					
To: JEFFREY M. BECKER HAYNES AND BOONE, LLP 1000 LOUISIANA, SUITE 4300 HOUSTON, TX 77002	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of Mailing (day/month/year) 22 JAN 2007				
Applicant's or agent's file reference 25791.47.02	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US01/28960	International filing date (day/month/year) 17 September 2001 (17.09.2001)				
Applicant SHELL OIL COMPANY					
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filling of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompany sheet. Where? Directly to the international Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35					
For more detailed instructions, see the notes on	the accompanying sheet.				
2 The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith.	report will be established and that the declaration under				
3. With regard to the protest against payment of (an) addition	al fee(s) under Rule 40.2, the applicant is notified that:				
	transmitted to the International Bureau together with the steet and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the appli	cant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the following:					
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).					
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.					
Name and mailing address of the ISA/US	Authorized officer				
Commissioner of Patents and Trademarks	Hoang Dang Diane Smoth f				
Box PCT Washington, D.C. 20231	Troung Daily Dille your				
Faccimile No. (703)30\$-3230	Telephone No. 703-308-2168				

Form PCT/ISA/220 (July 1998)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applic 25791.	ant's or agent's file reference. .47.02	FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, low.				
	ational application No. US01/28960	International filing date (day/n 17 September 2001 (17.09.200		(Earliest) Priority Date (day/month/year) 18 September 2000 (18.09.2000)				
• •	Applicant SHELL OIL COMPANY							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This international search report consists of a total of \underline{S} sheets. It is also accompanied by a copy of each prior art document cited in this report.								
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.								
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:								
	contained in the in	ternational application in written form.						
	filed together with	the international application in computer	readable form	ı.				
	furnished subseque	ently to this Authority in written form.						
[furnished subseque	ently to this Authority in computer readab	le form.	į				
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
[the statement that the been furnished.	the information recorded in computer rea	dable form is	identical to the written sequence listing has				
2.	Certain claims we	ere found unsearchable (See Box I).						
3. [is lacking (See Box II).						
4. \	With regard to the title,							
}	— ···	d as submitted by the applicant.						
	the text has been e	stablished by this Authority to read as fol	lows:					
5. Y	With regard to the abstract	1,		•				
	the text is approve	d as submitted by the applicant.						
	as it appears in Box III. The applicant may, out, submit comments to this Authority.							
6.	The figure of the drawings	to be published with the abstract is Figu	re No. <u>1</u>	<u> </u>				
(as suggested by the	e applicant.		None of the figures				
	because the applica	ant failed to suggest a figure.						
		better characterizes the invention.						

Form PCT/ISA/210 (first sheet) (July 1998)

International application No.

PCT/US01/28960

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2 As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest				
No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

International application No.

	PCT/US01/28960				
Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the fi	irst sheet)				
The technical features mentioned in the abstract do not include a reference	e sign between parentheses (PCT Rule 8.1(d)).				
NEW ABSTRACT					
An apparatus and method for forming or repairing a wellbore casing, a pipeline, or a structural support is disclosed. An expandable tubular member (20a) is radially expanded and plastically deformed by an expansion cone (18) that is displaced by hydraulic pressure. Before or after the radial expansion of the expandable tubular member (20a), sliding sleeve valve (42) within the apparatus permit a hardenable fluidic sealing material to be injected into an annulus between the expandable tubular member (20a) and a preexisting structure.					
	•				

International application No.

PCT/US01/28960

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E21B 23/00, 33/14 US CL : 166/277, 382, 177.4, 206, 207, 242.2 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/277, 382, 177.4, 206, 207, 242.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
X	US 5,718,288 A (BERTET et al) 17 February 1998 (18, 19, 45 and 46			
A	US 3,477,506 A (MALONE) 11 November 1969 (11	1-54				
x	US 5,337,823 A (NOBILEAU) 16 August 1994 (16.6) line 56 through column 13, line 6.	18 and 45				
A	US 5,667,011 A (GILL et al) 16 September 1997 (16	1-54				
A	US 5,901,789 A (DONNELLY et al) 11 May 1999 (1-54				
A	US 6,012,523 A (CAMPBELL et al) 11 January 200	o (11.01.2000), see the entire patent.	1-54			
Further	documents are listed in the continuation of Box C.	See patent family annex.				
• s	pecial categories of cited documents:	"T" later document published after the inte				
	t defining the general state of the art which is not considered to be lar relevance	date and not in conflict with the applic principle or theory underlying the inven- "X" document of particular relevance; the	ention			
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be consider when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination				
"P" documen	referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the	"&" document member of the same patent				
Date of the actual completion of the international search		Date 65 mailing ps the international search report				
28 Novembe	r 2001 (28.11.2001)					
	ailing address of the ISA/US	Authorized officer				
Box	omissioner of Patents and Trademarks	Hoang Dang Dione Smi	the f			
	shington, D.C. 20231 D. (703)305-3230	Telephone No. 703-308-2168	′			
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Form PCT/ISA/210 (second sheet) (July 1998)

International application No.

PCT/US01/28960

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-17, 20-44 and 47-54, drawn to either a method or apparatus for forming a wellbore casing within a subterranean formation or a method or apparatus for coupling an expandable tubular member to a preexisting structure.

Group II, claim(s) 18, 19, 45 and 46, drawn to an apparatus for forming a wellbore casing in a borehole in a subterranean or an apparatus for coupling an expandable tubular member to a pre-existing structure.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical feature for the claims of Group I is the arrangement including valves and fluid passages within the running tool which allows the tubular member to be expanded and cemented. The special technical feature of the claims of Group II is the combination in a single downhole tool of a means for expanding a tubular member and a means for injecting a hardenable fluidic sealing material into an annulus between the expandable tubular member and the wellbore.

CHAPTER I PCT TELEPHONE MEMORANDUM FOR LACK OF UNITY OF INVENTION



PCT No.: PCT/US01/28960 Examiner: Hoang Dang Attorney spoken to: Todd Mattingly Date of call: 28 November 2001 Amount of payment approved: \$210.00 Deposit account number to be charged: 08-1394 Attorney elected to pay for ALL additional inventions Attorney elected to pay only for the additional inventions covered by Group(s): -- encompassing --Claim(s): Attorney elected NOT to pay for any additional inventions, therefore, only the first claimed invention (Group I) covered by Claim(s) _____ has been searched. Attorney was orally advised that there is no right to protest for any group not paid for. Attorney was orally advised that any protest must be filed no later than 15 days from the mailing of the Search Report (PCT/ISA/210). Time Limit For Filing A Protest Applicant is hereby given 15 days from the mailing date of this Search Report in which to file a protest of the holding of lack of unity of invention. In accordance with PCT Rule 40.2, applicant may protest the holding of lack of unity only with respect to the group(s) paid for. **Detailed Reasons For Holding Lack of Unity of Invention:** Please See Continuation Sheet Note: A copy of this form must be attached to the Search Report.

Note. A copy of this form most be attached to the Search Hep

International application No: PCT/US01/28960

ATTACHMENT TO CHAPTER I PCT TELEPHONE MEMORANDUM FOR LACK OF UNITY OF INVENTION

Continuation of Detailed Reasons For Holding Lack of Unity of Invention:

Group I, claim(s) 1-17, 20-44 and 47-54, drawn to either a method or apparatus for forming a wellbore casing within a borehole within a subterranean formation or a method or apparatus for coupling an expandable tubular member to a preexisting structure.

Group II, claim(s) 18, 19, 45 and 46, drawn to an apparatus for forming a wellbore casing in a borehole in a subterranean or an apparatus for coupling an expandable tubular member to a pre-existing structure.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical feature for the claims of Group I is the arrangement including valves and fluid passages within the running tool which allows the tubular member to be expanded and cemented. The special technical feature of the claims of Group II is the combination in a single downhole tool of a means for expanding a tubular member and a means for injecting a hardenable fluidic sealing material into an annulus between the expandable tubular member and the wellbore.

Note: A copy of this form must be attached to the Search Report.